



1fw  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

*I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on May 16, 2006.*

Trudi Thompson  
Trudi Thompson

Applicant : William L. Johnson, et al. Confirmation No. 3385  
Application No. : 10/534,375  
Filed : October 4, 2005  
Title : JEWELRY MADE OF PRECIOUS AMORPHOUS METAL AND  
METHOD OF MAKING SUCH ARTICLES  
  
Grp./Div. : 3677  
Examiner : David C. Reese  
  
Docket No. : 51518/L471  
Customer No. : 23363

INFORMATION DISCLOSURE STATEMENT  
37 CFR § 1.97(b)

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Post Office Box 7068  
Pasadena, CA 91109-7068  
May 16, 2006

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing the references that are known to applicant. Copies of each of the references listed under "Foreign Patents" and "Other Documents" are enclosed. This filing is timely because it is made during one of the periods described in 37 CFR § 1.97(b).

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered

**Application No. 10/534,375**

in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By 

John V. Peck  
Reg. No. 44,284  
626/793-9900

JWP/tt

Enclosures: PTO/SB/08A/B, w/references



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

<b>Attorney Docket Number</b>	<b>51518/L471</b>
Application Number	10/534,375
Filing Date	October 4, 2005
Applicant(s)	William L. Johnson et al.
Group Art Unit	3677
Examiner Name	David C. Reese

**U.S. PATENT DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee
/JL/		2,190,611	02/13/1940	Sembdner
		3,989,517	11/02/1976	Tanner et al.
		4,050,931	09/27/1977	Tanner et al.
		4,064,757	12/27/1977	Hasegawa
		4,067,732	01/10/1978	Ray
		4,113,478	09/12/1978	Tanner et al.
		4,115,682	09/19/1978	Kavesh et al.
		4,116,682	09/26/1978	Polk et al.
		4,116,687	09/26/1978	Hasegawa
		4,126,449	11/21/1978	Tanner et al.
		4,135,924	01/23/1979	Tanner et al.
		4,148,669	04/10/1979	Tanner et al.
		4,289,009	09/15/1981	Festag et al.
		4,472,955	09/25/1984	Nakamura et al.
		4,621,031	11/04/1986	Scruggs
		4,623,387	11/18/1986	Masumoto et al.
		4,648,609	03/10/1987	Deike
		4,710,235	12/01/1987	Scruggs
		4,721,154	01/26/1988	Christ et al.
		4,743,513	05/10/1988	Scruggs
		4,854,370	08/08/1989	Nakamura
		4,976,417	12/11/1990	Smith
		4,987,033	01/22/1991	Abkowitz et al.
/JL/		4,990,198	02/05/1991	Masumoto et al.

EXAMINER  
SIGNATURE

/Jack Lavinder/ (04/07/2008)

DATE  
CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.pto.gov](http://www.pto.gov) or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

FORM PTO/SB/08/A/B (10-01) Substitute for PTO-1449A/B	<b>Attorney Docket Number</b>	51518/L471
<b>INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	Application Number	10/534,375
	Filing Date	October 4, 2005
	Applicant(s)	William L. Johnson et al.
	Group Art Unit	3677
	Examiner Name	David C. Reese

U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee
/JL/		5,032,196	07/16/1991	Masumoto et al.
		5,053,084	10/01/1991	Masumoto et al.
		5,053,085	10/01/1991	Masumoto et al.
		5,074,935	12/24/1991	Masumoto et al.
		5,117,894	06/02/1992	Katahira
		5,131,279	07/21/1992	Lang et al.
		5,169,282	12/08/1992	Ueda et al.
		5,213,148	05/25/1993	Masumoto et al.
		5,225,004	07/06/1993	O'Handley et al.
		5,250,124	10/05/1993	Yamaguchi et al.
		5,279,349	01/18/1994	Horimura
		5,288,344	02/22/1994	Peker et al.
		5,296,059	03/22/1994	Masumoto et al.
		5,306,463	04/26/1994	Horimura
		5,312,495	05/17/1994	Masumoto et al.
		5,324,368	06/28/1994	Masumoto et al.
		5,368,659	11/29/1994	Peker et al.
		5,380,375	01/10/1995	Hashimoto et al.
		5,384,203	01/24/1995	Apfel
		5,390,724	02/21/1995	Yamauchi et al.
		5,449,425	09/12/1995	Renard et al.
		5,482,580	01/09/1996	Scruggs et al.
		5,567,251	10/22/1996	Peker et al.
/JL/		5,589,012	12/31/1996	Hobby et al.

EXAMINER SIGNATURE	/Jack Lavinder/ (04/07/2008)	DATE CONSIDERED	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="http://www.pto.gov">www.pto.gov</a> or MPEP 901.4. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.			

FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B	<b>Attorney Docket Number</b>	<b>51518/L471</b>
<b>INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Application Number</b>	10/534,375
	<b>Filing Date</b>	October 4, 2005
	<b>Applicant(s)</b>	William L. Johnson et al.
	<b>Group Art Unit</b>	3677
	<b>Examiner Name</b>	David C. Reese

U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee
/JL/		5,711,363	01/27/1998	Scruggs et al.
		5,797,443	08/25/1998	Lin et al.
		5,886,254	03/23/1999	Chi
		5,950,704	09/14/1999	Johnson et al.
		6,021,840	02/08/2000	Colvin
		6,027,586	02/22/2000	Masumoto et al.
		6,044,893	04/04/2000	Taniguchi et al.
		US 6,200,685 B1	03/13/2001	Davidson
		US 6,258,183 B1	07/10/2001	Onuki et al.
		US 6,306,228 B1	10/23/2001	Inoue et al.
		US 6,371,195 B1	04/16/2002	Onuki et al.
		US 6,376,091 B1	04/23/2002	Croopnick
		US 6,408,734 B1	06/25/2002	Cohen
		US 6,446,558 B1	09/10/2002	Peker et al.
		US2001/0052406 A1	12/20/2001	Kubota et al.
		US 2002/0050310 A1	05/02/2002	Kundig et al.
/JL/		US 2002/0036034 A1	03/28/2002	Xing et al.

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. <sup>1</sup>	FOREIGN PATENT DOCUMENT Country Code <sup>2</sup> - Number <sup>3</sup> - Kind Code <sup>4</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup> (✓)
/JL/		JP 61238423 A	October 23, 1986	Sumimoto Light Metal Ind. Ltd.	w/English Abstract
/JL/		GB 2236325 A	April 3, 1991	Telkoku Piston Ring Co. Ltd.	

EXAMINER SIGNATURE	/Jack Lavinder/ (04/07/2008)	DATE CONSIDERED	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="http://www.pto.gov">www.pto.gov</a> or MPEP 901.4. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.			

FORM PTO/SB/08/A/B (10-01) Substitute for PTO-1449A/B	<b>Attorney Docket Number</b>	<b>51518/L471</b>
<b>INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	Application Number	10/534,375
	Filing Date	October 4, 2005
	Applicant(s)	William L. Johnson et al.
	Group Art Unit	3677
	Examiner Name	David C. Reese

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. <sup>1</sup>	FOREIGN PATENT DOCUMENT Country Code <sup>2</sup> - Number <sup>3</sup> - Kind Code <sup>3</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup> (✓)
/JL/		JP06-264200	09/20/1994	Masumoto et al.	
/JL/		JP2000-256811	09/19/2000	Tanaka Kikinzoku Kogyo KK	

OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
/JL/		Brochure entitled ProCAST...not just for castings!, UES, Inc., 1 page.
		Catalog Cover Entitled, Interbike Buyer Official Show Guide, 1995, 3 pages.
		Eshbach et al., "Section 12 - Heat Transfer", Handbook of Engineering Fundamentals, 3d ed., 1975, pp. 1113-1119
		Hasegawa et al., "Superconducting Properties of Be-Zr Glassy Alloys Obtained by Liquid Quenching", May 9, 1977, pp. 3925-3928
		Inoue et al., "Zr-Al-Ni Amorphous Alloys with High Glass Transition Temperature and Significant Supercooled Liquid Region", Materials Transactions, JIM, 1990, Vol. 31, No. 3, pp. 177-183
		Inoue, et al., "Bulky La-Al-TM (TM=Transition Metal) Amorphous Alloys with High Tensile Strength Produced by a High-Pressure Die Casting Method", Materials Transactions, 1993, JIM, Vol. 34, No. 4, pp. 351 to 358
		Inoue, et al., "Mg-Cu-Y Bulk Amorphous Alloys with High Tensile Strength Produced by a High-Pressure Die Casting Method", Materials Transactions, 1992, JIM, Vol. 33, No. 10, pp. 937 to 945.
		Jost et al., "The Structure of Amorphous Be-Ti-Zr Alloys", Zeitschrift fur Physikalische Chemie Neue Folge, Bd. 157, 1988, pp. 11-15
		Kato et al., "Production of Bulk Amorphous Mg <sub>83</sub> Y <sub>10</sub> Cu <sub>5</sub> Alloy by Extrusion of Atomized Amorphous Powder", Materials Transactions, JIM, 1994, Vol. 35, No. 2, pp. 125 to 129
		Kawamura et al., "Full Strength Compacts by Extrusion of Glassy Metal Powder at the Supercooled Liquid State, Appl. Phys. Lett. 1995, Vol. 67, No. 14, pp. 2008-2010.
↓ /JL/		Lyman et al., Metals Handbook, Forging and Casting, 8th ed., 1970, Vol. 5, pp. 285-291 and 300-306

EXAMINER SIGNATURE	/Jack Lavinder/ (04/07/2008)	DATE CONSIDERED	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at <a href="http://www.pto.gov">www.pto.gov</a> or MPEP 901.4. *Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English Language Translation is attached.			

FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B	<b>Attorney Docket Number</b>	<b>51518/L471</b>
<b>INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Application Number</b>	10/534,375
	<b>Filing Date</b>	October 4, 2005
	<b>Applicant(s)</b>	William L. Johnson et al.
	<b>Group Art Unit</b>	3677
	<b>Examiner Name</b>	David C. Reese

OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
/JL/		Maret et al., "Structural Study of Be <sub>43</sub> Hf <sub>x</sub> Zr <sub>57-x</sub> Metallic Glasses by X-Ray and Neutron Diffraction", J. Physiq. 1986, Vol. 47, pp 863-871
↓		Polk et al., "The Effect of Oxygen Additions on the Properties of Amorphous Transition Metal Alloys", Source and date unknown, pp. 220-230
		Tanner et al., "Metallic Glass Formation and Properties in Zr and Ti Alloyed with Be-I The Binary Zr-Be and Ti-Be Systems", Acta Metallurgica, 1979, Vol. 27, pp. 1727-1747
		Tanner et al., "Physical Properties of Ti <sub>50</sub> Be <sub>40</sub> Zr <sub>10</sub> Glass", Scripta Metallurgica, June 22, 1977, Vol. 11, pp. 783-789
		Tanner, L.E., "Physical Properties of Ti-Be-Si Glass Ribbons", Scripta Metallurgica, 1978, Vol. 12, pp 703-708
↓		Tanner, L.E., "The Stable and Metastable Phase Relations in the Hf-Be Alloy System", Metallurgica, Vol. 28, 1980, pp 1805-1815
/JL/		Zhang et al., "Amorphous Zr-Al-TM (TM=Co, Ni, Cu) Alloys with Significant Supercooled Liquid Region of Over 100K", Materials Transactions, JIM., 1991, Vol. 32, No. 11, pp. 1005-1010

TXT IRV1096455.1.-05/16/06 12:29 PM

<b>EXAMINER SIGNATURE</b>	/Jack Lavinder/ (04/07/2008)	<b>DATE CONSIDERED</b>	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="http://www.pto.gov">www.pto.gov</a> or MPEP 901.4. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.			

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE